

Report Information

| Award Type | Award Number | Prime DUNS | Calendar Yr/Qtr | Final Report |
|------------|--------------|------------|-----------------|--------------|
| Grant | DE-EE0000342 | 809855091 | 2011 / 3 | No |

Award Recipient Information

| | | | |
|---|---|-------------------------------|--------------|
| Recipient DUNS Number | 809855091 | Recipient Address 1 | 89 KINGS HWY |
| Recipient Account Number | S9031803 | Recipient Address 2 | |
| Recipient Congressional District | 00 | Recipient City | DOVER |
| Parent DUNS Number | 042258020 | Recipient State | DE |
| Recipient Type | 2F.V2 | Recipient ZIP Code + 4 | 199017305 |
| Recipient Legal Name | NATURAL RESOURCES AND ENVIRONMENTAL CONTROL, DELAWARE DEPARTMENT OF | Recipient Country | USA |
| Recipient DBA Name | | | |

Project / Award Information

| | | | |
|--|--|---|-----------|
| Funding Agency Code | 8900 | Total Number of Sub Awards less than \$25,000/award | 0 |
| Awarding Agency Code | 8900 | Total Amount Sub Awards less than \$25,000/award | 0.00 |
| Program Source (TAS) Code | 89-0331 | Total Number of Sub Awards to Individuals | 21 |
| Sub Account Number for Program Source | 331 | Total Amount of Sub Awards to Individuals | 208051.66 |
| CFDA Number | 81.041 | Total Number of Payments to Vendors less than \$25,000/award | 26 |
| Amount of Award | 24231000.00 | Total Amount of Payments to Vendors less than \$25,000/award | 38825.01 |
| Award Date | 07/20/2009 | | |
| Award Description | Delaware proposes to use ARRA SEP funding, largely through the new Delaware Sustainable Energy Utility, in 4 program elements: - Home energy efficiency – \$12M is dedicated to this element(an additional \$3.6M of additional investment leveraged through federal 30% tax credit for energy efficiency). This total amount of \$15.6M will allow 6,500-15,000 households to participate in the first year (range depends on financing level) and generate \$8M in annual savings. The average resident will save \$700-\$1,000 annually. Residential energy efficiency is labor intensive and has relatively low equipment costs, resulting in greater job creation than some other investments. The direct investment will generate 258 | | |

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| <p>new jobs, or 21.5 jobs per \$1M, while the leveraged federal tax credits will generate an additional 77 jobs (335 total).</p> <p>- Business, commercial and manufacturing energy efficiency - \$4.7M is dedicated to this element (an additional \$1.4M of investment leveraged from the 30% federal tax credit for energy efficiency). This \$6.1M program will allow 500-1,000 businesses to participate and generate \$3-4.5M in annual savings. We estimate the direct investment in this project should create approximately 80 jobs (an estimated 17 jobs per \$1M). The leveraged Federal Tax credits will generate an additional 24 jobs (104 total). This project aligns with the Governor and DEDO's effort to reduce small business operating expenses.</p> <p>- Statewide renewable energy funding – \$4.5M is dedicated to this element, which will leverage more than \$13.5M of private investment and 30% federal investment tax credit to allow for the installation of 2-3 MW of solar and other renewable energy projects in Delaware (e.g. ~650-700 3 KW systems). The direct spending will generate 25 jobs (5.6 jobs per \$1M), while the leveraged investment will generate 76 jobs (101 jobs total). (The jobs-to-investment ratio is lower for renewable energy than energy efficiency because of high system equipment costs.) Further, the relatively high system costs will allow fewer Delawareans to participate in the program (e.g., \$8,000 renewable energy system subsidy vs. \$1,500 energy efficiency subsidy).</p> <p>- Energy efficiency in state facilities – \$1.8M is dedicated to this element to support</p> | | | | |

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| <p>efficiency upgrades in 20-50 schools that are currently ineligible for EECBG funding. This investment will generate an annual savings of more than \$1M and generate 31 jobs. Ideally, this funding will support larger energy efficiency initiatives by providing support for initial projects from which the savings can be reinvested in greater efficiency. If the schools partner with an energy efficiency provider they may be able to leverage the federal energy efficiency tax credits to expand the resources available. This program aligns with the Governor's efforts to ensure more resources are allocated to the classroom.</p> <p>The objectives and goals include:</p> <ul style="list-style-type: none">- Allow as many Delaware residents and businesses to reduce energy operating expenses. Goal: Annually upgrade ~6,500-15,000 houses & 500-1,000 businesses through SEP and ~5-10,000 households through weatherization program (~\$15-20M annual savings).- Create jobs and economic opportunities for Delaware residents Goal: \$24 M of investment creates ~600 jobs. Reduce greenhouse gas emissions. Goal: Reduce GHG to 1990 levels by 2020 & 80% below 1990 by 2050; (SEP package= 1.5-3% reduction).- Achieve energy conservation & efficiency targets in Delaware's proposed Energy Efficiency Resource Standards (EERS) Goal: Reduce electricity consumption by 15% by 2015 by providing access to efficiency programs and services (proportional reduction in CO2 emissions).- Advance objectives identified in Governor's Energy Advisory | | | | |

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Council. Goal: Carbon-neutral built environment by 2030. Increase use of renewable energy sources and advances clean tech innovation Goal: Advance achievement of 20% RPS earlier than 2019.

Project Information

| Project Name or Project/ Program Title | State Energy Program | Activity Codes (NAICS or NTEE-NPC) (up to 10) |
|--|---|--|
| Quarterly Activities/ Project Description | The DNREC Division of Energy & Climate (DE&C) continues to develop and market programs through the Sustainable Energy Utility (SEU). This quarter, the SEU and DE&C staff continued working with loan recipients on program requirements for projects funded in coordination with the Delaware State Housing Authority and Pat's Pizza for energy efficiency and renewable energy projects. Potential loans are under review for other public entities and businesses in Delaware. The Residential Revolving Loan program administered through the SEU and AFC First Corporation continues to be successful with 30 residential loans funded and 45 potential loans are under review. The residential energy efficiency program has approved over 2,000 standard path rebates and over 700 performance path rebates under this program. The Home Performance with Energy Star Program has issued rebates totaling over \$1,349,792 and HVAC rebates | Activity Code 1 C05.02 Activity Code 2 Activity Code 3 Activity Code 4 Activity Code 5 Activity Code 6 Activity Code 7 Activity Code 8 Activity Code 9 Activity Code 10 |

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| | total over \$965,800 to date. The residential energy efficiency program had a significant surge in participate during August and September. The residential lighting program reported sales of over 883,070 bulbs utilizing the program mark-down with an incentive value of \$974,668. The residential lighting program ended during this reporting period. The Renewable Energy Program (Delaware Green Energy ARRA relief program) provided 143 grants for geothermal heat pumps, photovoltaic systems (PV), and solar hot water systems totaling over \$1,441,287.93 to date. Applications for the incentives offered under the commercial and industrial program increased during this quarter. Rebates under the Non-Residential Energy Efficiency Incentive Program were paid to 162 customers with a value of \$847,731. |
| Project Status | Less than 50% completed |
| Total Federal Amount ARRA Funds Received/ Invoiced | 15790676.47 |
| Number of Jobs | 41.51 |
| Description of Jobs Created | ARRA has helped to ensure the continuity of existing energy efficiency programs. Jobs created and retained, reported includes 12.39 administrative jobs within the Division of Energy & Climate for administrative activities, 26.41 jobs for Energy Efficiency Projects funded by the sub recipient (Electricians, Plumbing and Pipefitters), 2.71 jobs were created for renewable energy projects to include ground source heat pumps, PV systems and Solar Hot Water systems (Electricians, laborers) |
| Total Federal Amount of ARRA Expenditure | 16525603.95 |

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| Total Federal ARRA | 0.00 |
| Infrastructure Expenditure | |
| Infrastructure Purpose and Rationale | |

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Infrastructure Contact

| | | |
|--------------|----|-------------------------|
| Name | NA | Street Address 1 |
| Email | | Street Address 2 |
| Phone | | Street Address 3 |
| Ext | | City |
| | | State |
| | | ZIP Code + 4 |

Primary Place of Performance

Address 1 DNREC Delaware Energy
Office
Address 2 1203 College Park Drive
City Dover
Country Code US
State DE
ZIP Code + 4 19904 - 8703
Congressional District 00

Recipient Highly Compensated Officers

| | | |
|--|----|-------------------------------|
| Prime Recipient Indication of Reporting Applicability | No | Officer 3 Name |
| Officer 1 Name | | Officer 3 Compensation |
| Officer 1 Compensation | | Officer 4 Name |
| Officer 2 Name | | Officer 4 Compensation |
| Officer 2 Compensation | | Officer 5 Name |
| | | Officer 5 Compensation |

Report Audit Trail

Created By Suzanne Sebastian
Date Created 10/13/2011 11:00 AM
Last Updated By Suzanne Sebastian
Last Updated On 10/13/2011 11:00 AM

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Sub Recipient Information

| | | | |
|---|--------------------------------|-----------------------------------|---------------------------|
| Sub Recipient DUNS Number | 832797497 | Sub Recipient Address 1 | 5301 Limestone Rd Ste 222 |
| Sub Recipient Congressional District | 00 | Sub Recipient Address 2 | |
| Sub Recipient Type | | Sub Recipient City | Wilmington |
| Sub Recipient Legal Name | Sustainable Energy Utility Inc | Sub Recipient State | Delaware |
| Sub Recipient DBA Name | | Sub Recipient ZIP Code + 4 | 198081265 |
| | | Sub Recipient Country | US |

Sub Award Information

Sub Award Number SEU001
Amount of Sub Award 20000000.00
Total Sub Award Funds Disbursed 15143378.34
Sub Award Date 04/12/2010

Sub Recipient Place of Performance

Address 1 5301 Limestone Rd.
Address 2
City Wilmington
Country Code US
State DE
ZIP Code + 4 19808 - 1265
Congressional District 00

Sub Recipient Highly Compensated Officers

| | | | |
|--|----|-------------------------------|--|
| Prime Recipient Indication of Reporting Applicability | No | Officer 3 Name | |
| Officer 1 Name | | Officer 3 Compensation | |
| Officer 1 Compensation | | Officer 4 Name | |
| Officer 2 Name | | Officer 4 Compensation | |
| Officer 2 Compensation | | Officer 5 Name | |
| | | Officer 5 Compensation | |

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Vendor Information

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|-------------------------------|----------------------------|------------------------|
| Sub Award Number | Payment Amount | 514015.90 |
| Vendor DUNS Number | Product and Service | SEP ARRA Services and |
| Vendor Name | Description | Program Implementation |
| Vendor HQ ZIP Code + 4 | | |
| 19808 - 1265 | | |

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|-------------------------------|----------------------------|----------------------------|------------------------|
| Sub Award Number | SEU001 | Payment Amount | 1762527.00 |
| Vendor DUNS Number | 943275404 | Product and Service | SEP ARRA Services and |
| Vendor Name | Applied Energy Group (AEG) | Description | Program Implementation |
| Vendor HQ ZIP Code + 4 | 19808 - 1265 | | |

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Vendor Information

| | | | |
|-------------------------------|----------------------------|----------------------------|------------------------|
| Sub Award Number | SEU001 | Payment Amount | 2162718.00 |
| Vendor DUNS Number | 943275404 | Product and Service | SEP ARRA Services and |
| Vendor Name | Applied Energy Group (AEG) | Description | Program Implementation |
| Vendor HQ ZIP Code + 4 | 19808 - 1265 | | |

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Vendor Information

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|-------------------------------|----------------------------|----------------------------|------------------------|
| Sub Award Number | SEU001 | Payment Amount | 801940.00 |
| Vendor DUNS Number | 943275404 | Product and Service | SEP ARRA Services and |
| Vendor Name | Applied Energy Group (AEG) | Description | Program Implementation |
| Vendor HQ ZIP Code + 4 | 19808 - 1265 | | |

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Vendor Information

| | | |
|-------------------------------|----------------------------|---------------------|
| Sub Award Number | Payment Amount | 19182.00 |
| Vendor DUNS Number | Product and Service | Leased office space |
| Vendor Name | Description | |
| Vendor HQ ZIP Code + 4 | | |
| 614667764 | | |
| Bay Developers | | |
| 19904 - 3158 | | |

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Vendor Information

| | | |
|-------------------------------|----------------------------|---------------------|
| Sub Award Number | Payment Amount | 49850.00 |
| Vendor DUNS Number | Product and Service | Leased office space |
| Vendor Name | Description | |
| Vendor HQ ZIP Code + 4 | | 19904 - 3158 |

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Vendor Information

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|-------------------------------|----------------------------|---------------------------|
| Sub Award Number | Payment Amount | 29510.69 |
| Vendor DUNS Number | Product and Service | Technical study for enegy |
| Vendor Name | Description | efficiency targets |
| Vendor HQ ZIP Code + 4 | | |

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| Last Updated On | 10/13/2011 11:00 AM |